

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (withdrawn) Isolated and purified *Pfiesteria* toxin having the NMR spectra given in **Figure 1** herein.
2. (withdrawn) Isolated and purified *Pfiesteria* toxin according to claim 1 produced by the process of:
  - (a) culturing a *Pfiesteria* species in a growth media to produce *Pfiesteria* toxin therein;
  - (b) separating a first fraction of organic compounds including said *Pfiesteria* toxin from said growth media;
  - (c) separating a second fraction consisting essentially of said *Pfiesteria* toxin from said first fraction by chromatography with porous silica beads.
3. (withdrawn) Isolated and purified *Pfiesteria* toxin according to claim 1, wherein said porous silica beads are Iatrobeads.
4. (withdrawn) Isolated and purified *Pfiesteria* toxin according to claim 1, wherein said porous silica beads are 6RS-8060 Iatrobeads.
5. (withdrawn) Isolated and purified *Pfiesteria* toxin according to claim 1, wherein said *Pfiesteria* species is selected from the group consisting of *Pfiesteria piscicida* and *Pfiesteria shumwayae*.
6. (withdrawn) Isolated and purified *Pfiesteria* toxin according to claim 1, wherein said *Pfiesteria* species is *Pfiesteria piscicidae*.

7. (withdrawn) Isolated and purified *Pfiesteria* toxin according to claim 1, wherein said *Pfiesteria* species is *Pfiesteria shumwayae*.

8. (original) A method of isolated and purified *Pfiesteria* toxin, comprising the steps of:  
(a) culturing a *Pfiesteria* species in a growth media to produce *Pfiesteria* toxin therein;  
(b) separating a first fraction of organic compounds including said *Pfiesteria* toxin from said growth media;  
(c) separating a second fraction consisting essentially of said *Pfiesteria* toxin from said first fraction by chromatography with porous silica beads.

[[8]]9. (currently amended) The method of claim [[7]]8, wherein said second fraction is characterized by an NMR spectrum as given in **Figure 1** herein.

[[9]]10. (currently amended) The method of claim [[7]]8, wherein said porous silica beads are Iatrobeads.

[[10]]11. (currently amended) The method of claim [[7]]8, wherein said porous silica beads are 6RS-8060 Iatrobeads.

[[11]]12. (currently amended) The method of claim [[7]]8, wherein said *Pfiesteria* species is selected from the group consisting of *Pfiesteria piscicida* and *Pfiesteria shumwayae*.

[[12]]13. (currently amended) The method of claim [[7]]8, wherein said *Pfiesteria* species is *Pfiesteria piscicidae*.

[[13]]14. (currently amended) The method of claim [[7]]8, wherein said *Pfiesteria* species is *Pfiesteria shumwayae*.